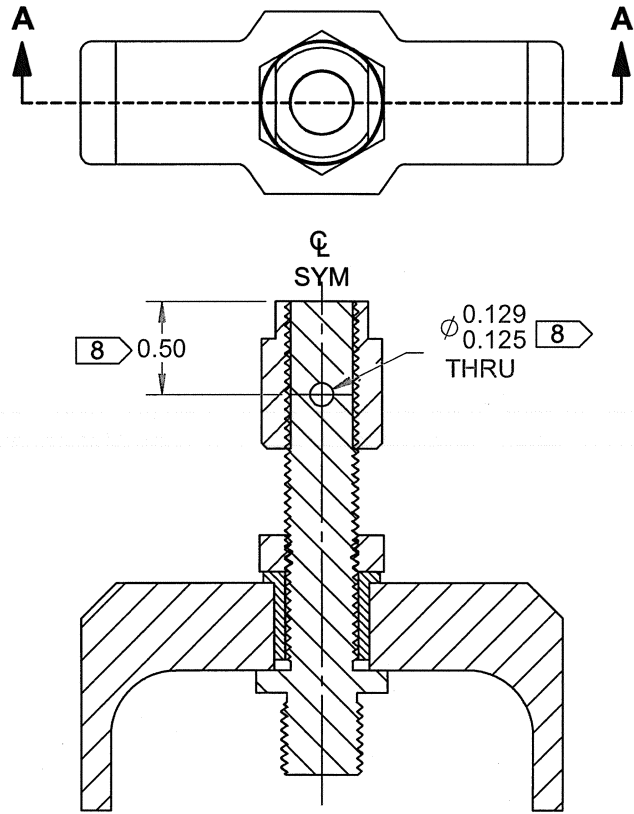


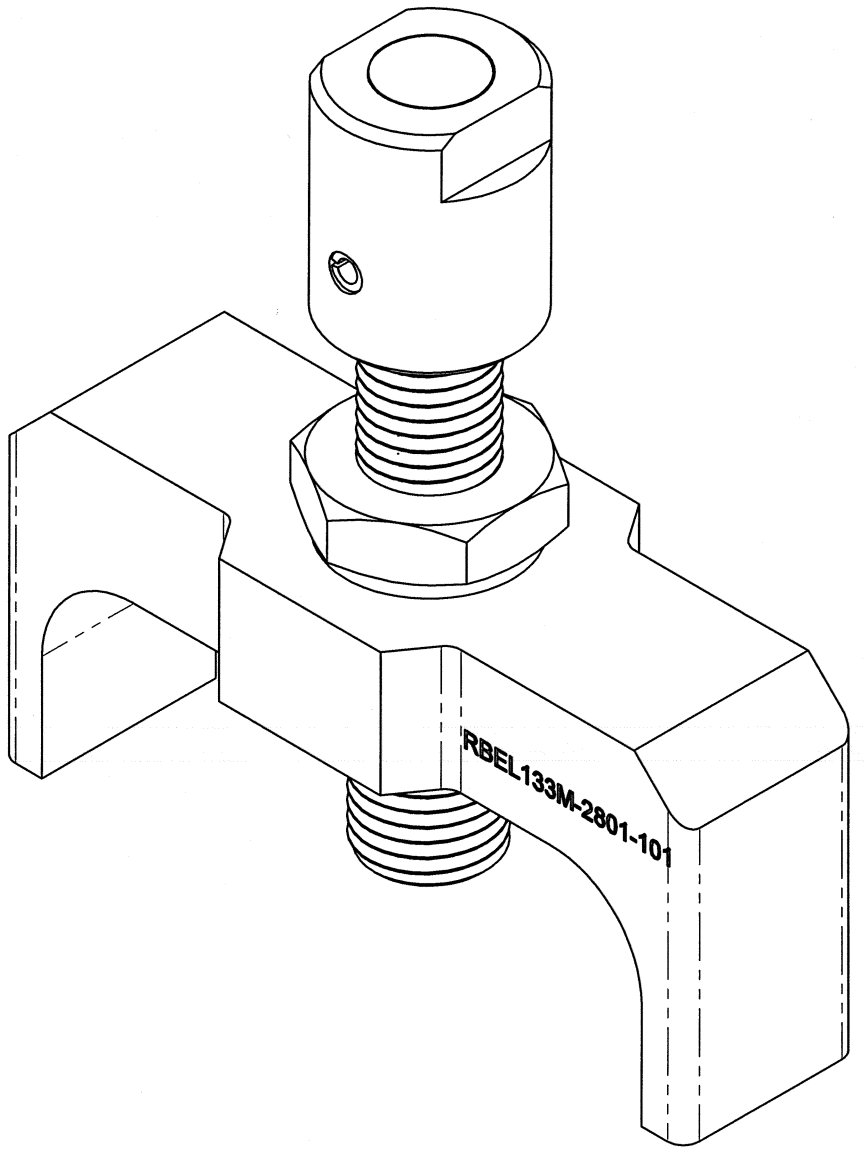
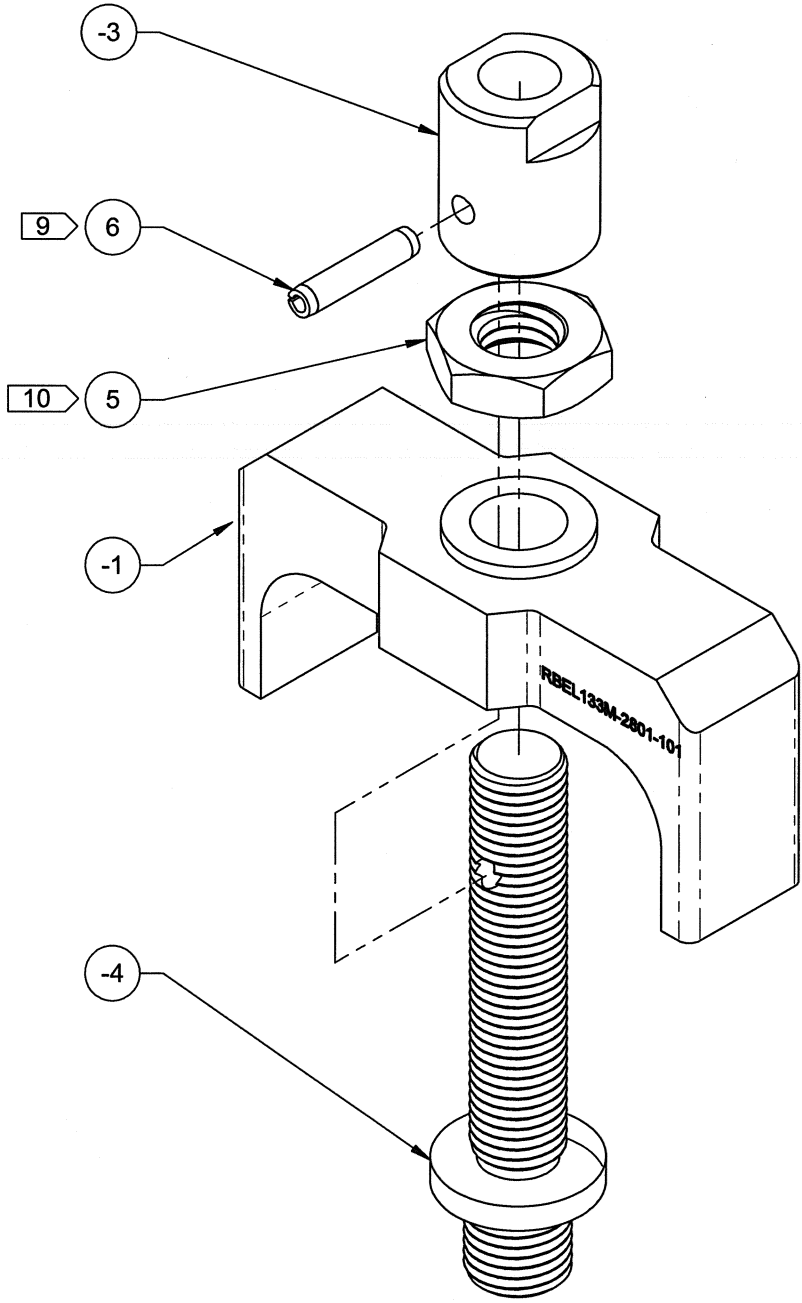
ITEM #	QTY	PART #	PART TITLE
-1	1	RBEL133M-2801-101-1	FRAME ASSY
-3	1	RBEL133M-2801-101-3	THUMB NUT
-4	1	RBEL133M-2801-101-4	SCREW
5	1	McMaster#90695A041 OR EQUIV	STEEL CLASS 04 THIN HEX NUT M10 X 1.5mm X 5mm HT.
6	1	McMaster#90692A696 OR EQUIV	ZINC PLATED STEEL SPRING PIN 1/8" DIA. X 5/8" LG.



SECTION A-A
(SPRING PIN REMOVED FOR CLARITY)

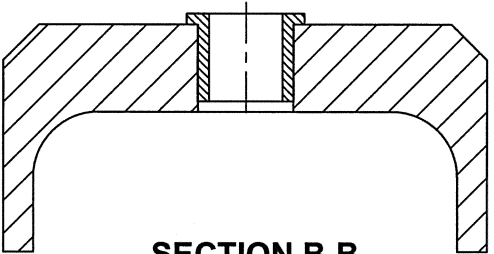
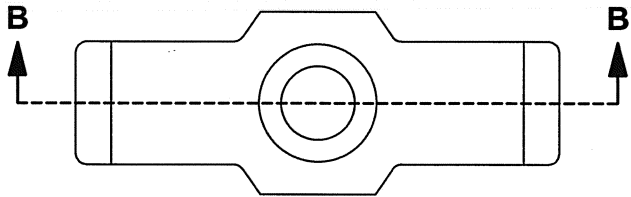
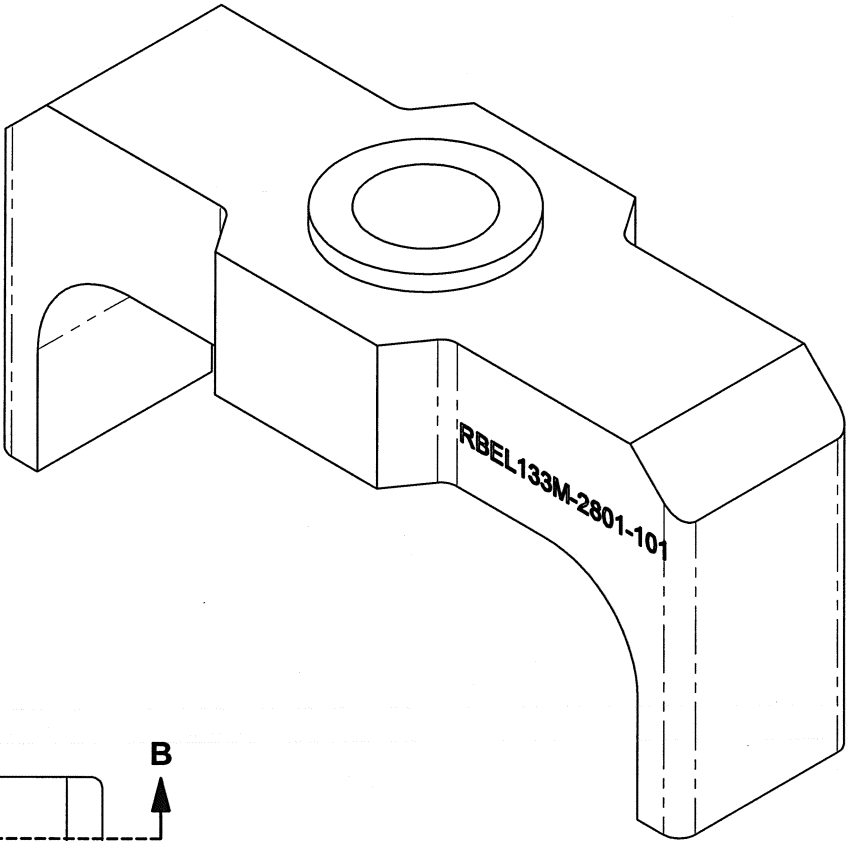
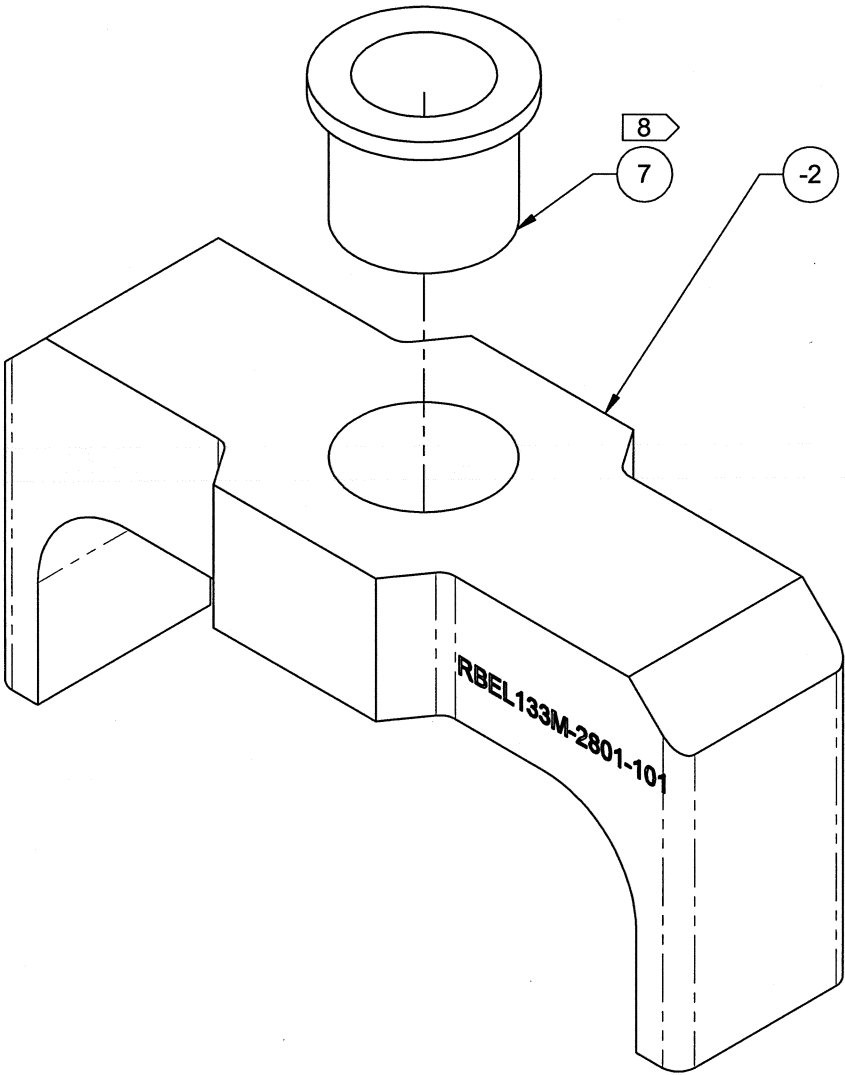
RBEL133M-2801-101 FUEL PUMP PULLER

- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) IDENTIFICATION: N/A
 - 7) ASSEMBLE AS SHOWN
 - 8) TRANSFER DRILL HOLE THROUGH ITEMS -3 AND -4 AS SHOWN
 - 9) PRESS FIT ITEM 6 WITH ITEM -3 AND ITEM -4
 - 10) INSTALL ITEM 5 HAND TIGHT
 - 11) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG



A	SEE PREVIOUS PDF FOR OLDER REV TEMPLATE UPDATED PER DART HBY STANDARDS ITEM -5 BECOME ITEM -3 ITEM -7 McMaster#91611A157 BECOME ITEM 6 McMaster#90692A696 ITEM -5 McMaster#9249A450 BECOME ITEM 5 McMaster#90695A041 ITEM -1 BECOME ITEM -2 ITEM -1 ASSY ADDED ITEM -9 McMaster#6294K439 BECOME ITEM 7 McMaster#6659K681 ITEM -3 BECOME ITEM -4 ITEM -2 DIMENSION Ø.500 CHANGED FOR Ø.5118/0.5110, ENGRAVING S/N AND "MADE IN USA" REMOVED, DIMENSION R.06 X4 CHANGED FOR R0.06 8 PL, DIMENSION 55° X4 CHANGED FOR 125.0° 4 PL, MATERIAL SS304 CHANGED FOR 4140 (28-32 RC), FINISH YELLOW ZINC PLATE ADDED, DIMENSION 0.62 2PL ADDED ITEM -3 DIMENSION Ø.125 REMOVED, DIMENSION .49 REMOVED ITEM -4 DIMENSION Ø.37 REMOVED, DIMENSION .06 REMOVED, THREAD RELIEF ADDED, DIMENSION Ø.125 REMOVED, DIMENSION .49 REMOVED		19-765	VM
	REV.	DESCRIPTION	ECN #	BY
	DESIGN	VM	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
	DRAWN	VM		
	CHECKED	KPT	TOOL PART #	REV. A
	MFG. APPR.	FK	RBEL133M-2801-101	SHEET 1 OF 5
	APPROVED	WJP	TITLE	SCALE
			FUEL PUMP PULLER	NTS
	DATE	2019-06-12	COPYRIGHT © 2019 BY DART AEROSPACE LTD	
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ITEM #	QTY	PART #	PART TITLE
-2	1	RBEL133M-2801-101-2	FRAME
7	1	McMaster#6659K681 OR EQUIV	OIL-EMBEDDED FLANGED SLEEVE BEARING FOR 10mm SHAFT X 13mm HOUSING ID. X 12mm LG.

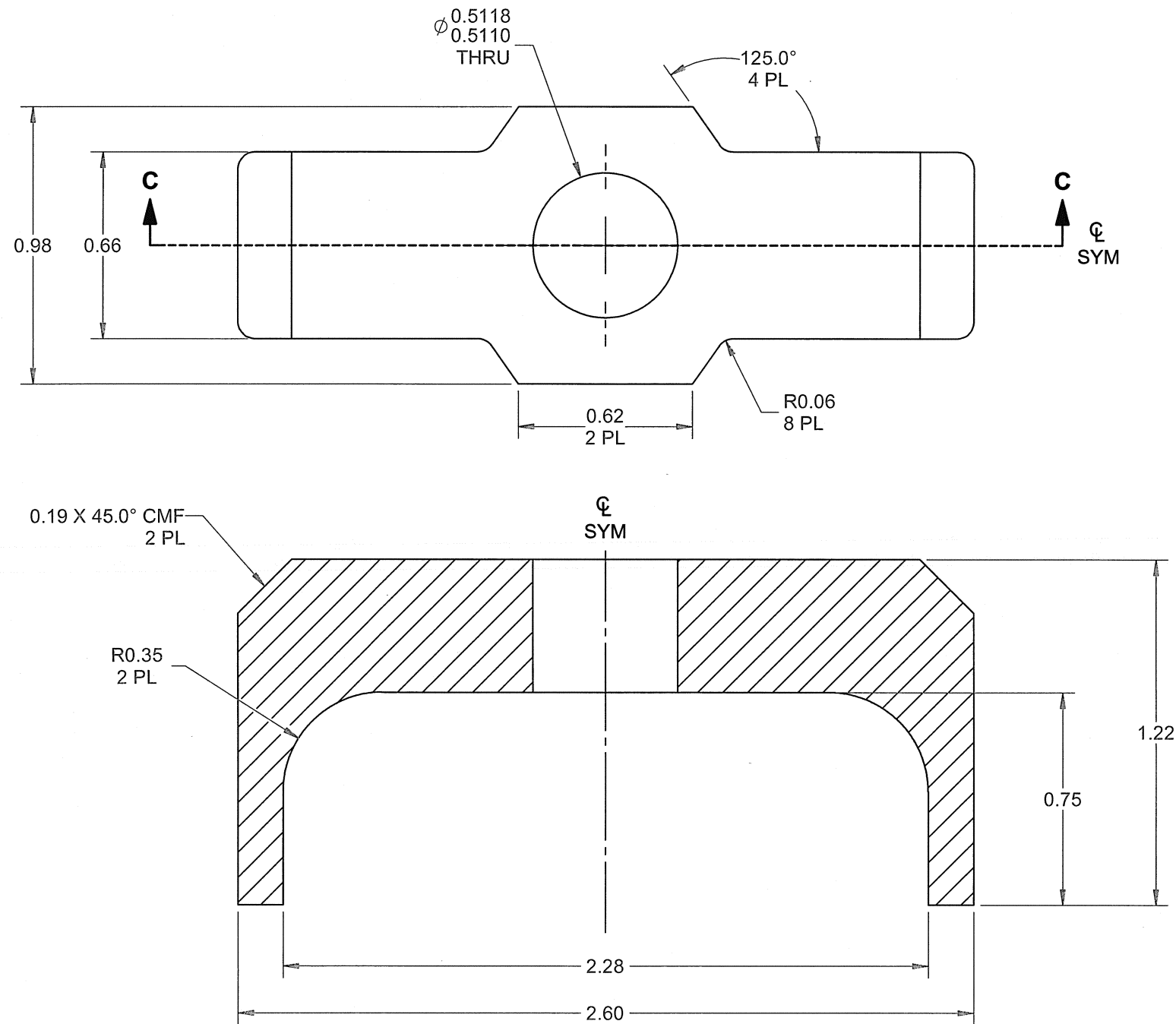


SECTION B-B

RBEL133M-2801-101-1 FRAME ASSY

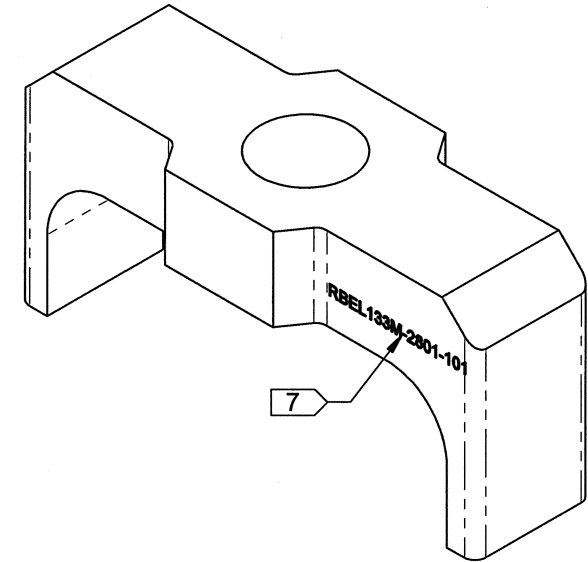
- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) IDENTIFICATION: N/A
 - 7) ASSEMBLE AS SHOWN
 - 8) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES
THEN PRESS FIT ITEM 7 WITH ITEM -2, AND REMOVE EXCESS

DESIGN	VM	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	FK	RBEL133M-2801-101	SHEET 2 OF 5
APPROVED	WJ	TITLE	SCALE
		FUEL PUMP PULLER	NTS
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SECTION C-C
RBEL133M-2801-101-2 FRAME

- NOTES:
- 1) MATERIAL: 4140 (28-32 RC)
 - 2) HEAT TREAT: N/A
 - 3) FINISH: ZINC PLATE (YELLOW OR BLACK) PER ASTM B633 TYPE 2 CLASS 2
 - 4) TOLERANCES: X.X = $\pm 0.1"$ / $\pm 1^\circ$
X.XX = $\pm 0.01"$ / $\pm 0.5^\circ$
X.XXX = $\pm 0.005"$ / $\pm 0.1^\circ$
X.XXXX = $\pm 0.0005"$ / $\pm 0.05^\circ$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $\pm 0.005"$
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) REMOVE ALL SHARP EDGES AND BURRS
 - 7) IDENTIFICATION: MACHINE ENGRAVE OR DOT MARK T/N, "RBEL133M-2801-101", AS SHOWN
 - 8) DIMENSIONS MUST BE MET AFTER PLATING



DESIGN	VM	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	FK	RBEL133M-2801-101	SHEET 3 OF 5
APPROVED	WJ	TITLE	SCALE
		FUEL PUMP PULLER	NTS
DATE	2019-06-12	COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

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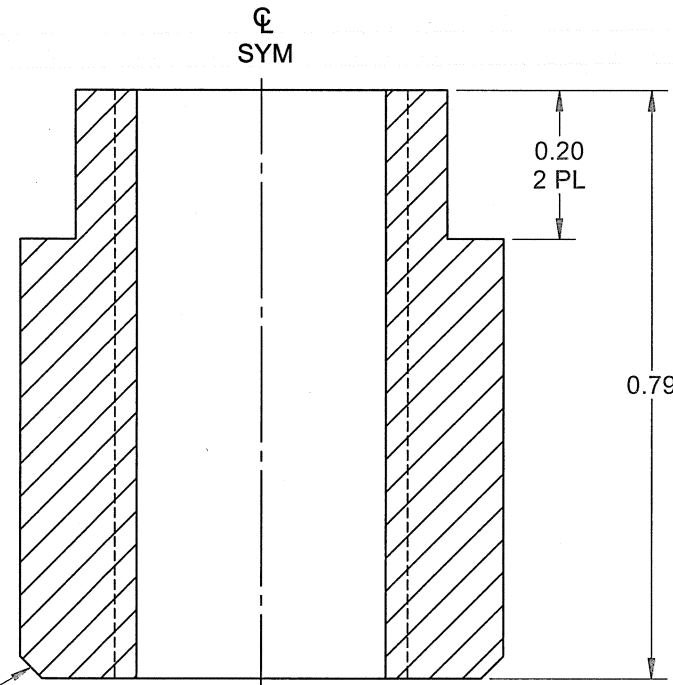
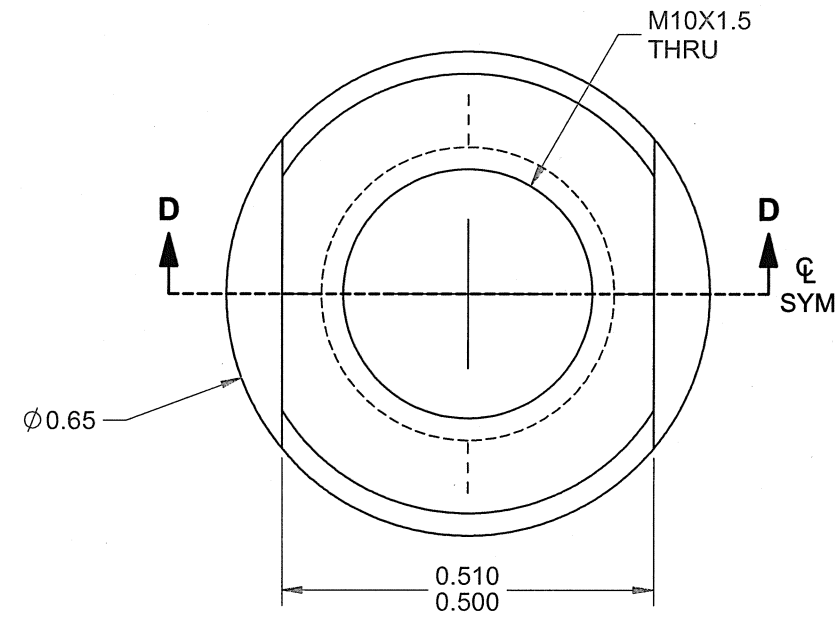
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

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**SECTION D-D****NOTES:**

- 1) MATERIAL: 4140 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = ± 0.1 " / $\pm 1^\circ$
X.XX = ± 0.01 " / $\pm 0.5^\circ$
X.XXX = ± 0.005 " / $\pm 0.1^\circ$
X.XXXX = ± 0.0005 " / $\pm 0.05^\circ$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = ± 0.005 "
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A

MEDIUM
DIAMOND
KNURL

RBEL133M-2801-101-3 THUMB NUT

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	FK	RBEL133M-2801-101	SHEET 4 OF 5
APPROVED		TITLE	SCALE
		FUEL PUMP PULLER	NTS 
DATE 2019-06-12		COPYRIGHT © 2019 BY DART AEROSPACE LTD	
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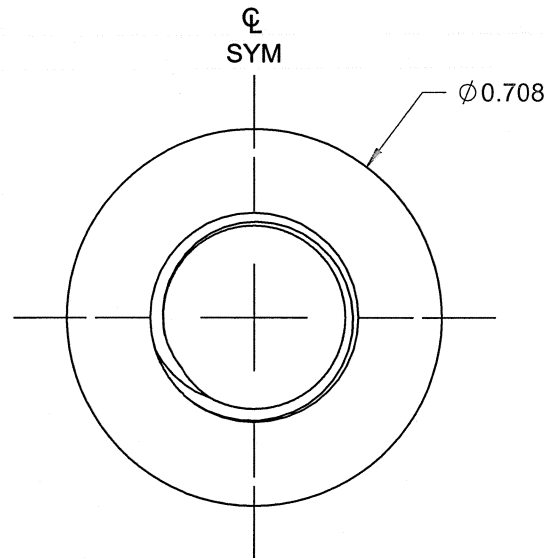
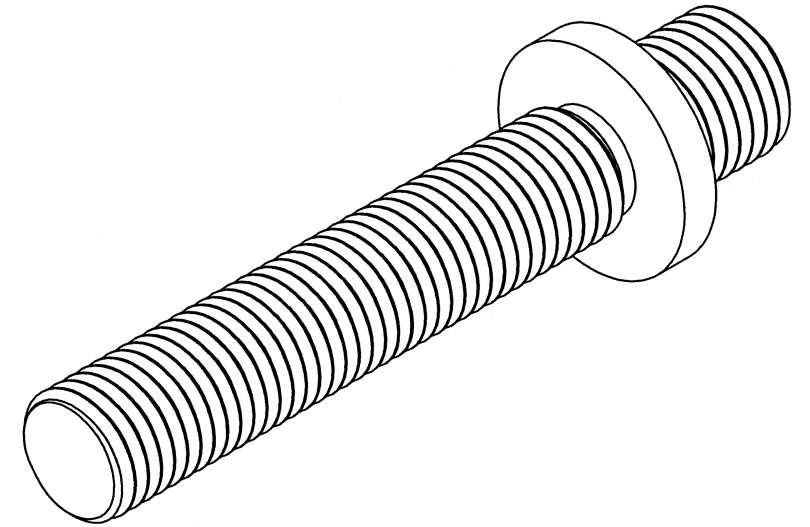
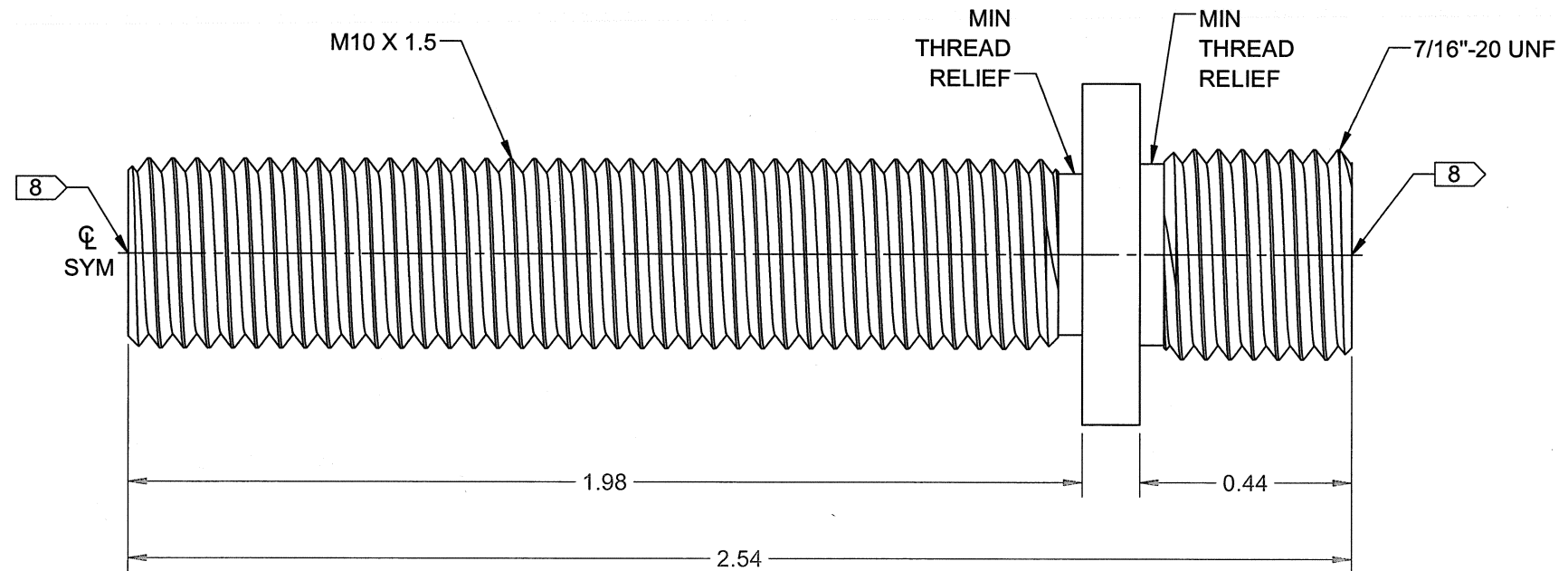
C

B

B

A

A

**RBEL133M-2801-101-4 SCREW****NOTES:**

1) MATERIAL: 4140 (28-32 RC)

2) HEAT TREAT: N/A

3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°



PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) REMOVE ALL SHARP EDGES AND BURRS

7) IDENTIFICATION: N/A

8) CENTER DRILL IS ACCEPTABLE

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	FK	RBEL133M-2801-101	SHEET 5 OF 5
APPROVED		TITLE	SCALE
		FUEL PUMP PULLER	NTS 
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